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**Robert Sanchez**

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To: dfennimore@earthdatainc.com  
Subject: Treatment of Vadose Zone

Rather than expose the public and site workers through excavations of hot spots in the vadose zone it appears that an HRC "primer" (I.E., not the patented time released stuff) may be mix with water and applied via multiple shallow pushes (1 - 2 feet) or broadcasted across surface to treat hot spots in vadose zone. The application may allow treatment in the vadose zone due to the capillary attraction of water and HRC primer. This may also flush contaminates into the stream liner catchment system for treatment. Of course broadcast application may require breaking up the asphalt. Can you ask O&G if HRC could impact the waste water treatment system negatively? One of the tough questions is to determine when to stop treating with HRC. One answer may be to quantify the amount of contaminates in the saturated zone and apply the appropriate amount of time released HRC, stages may enhance this process. We could measure success via downgradient monitoring wells although. Could you check on the ECO Risk Assessment? Have Amir (?) call Chris. I don't want any surprises during Chris's review.

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